

# CPCS Technical Test – Theory

## Lifting Capacity Chart – A02



### Lift chart for standard main boom 12.7 t counterweight

### Liebherr HS825D

Capacities in metric tons for boom lengths (11 m - 47 m) - with 160 kN winches															
Radius	Boom length (m)													Radius	
	11	14	17	20	23	26	29	32	35	38	41	44	47		m
4	43.5	40.6												4	
5	32.4	30.7	29.2	27.7	23.3									5	
6	25.7	24.6	23.6	22.5	21.6	20.8	19.9							6	
7	20.5	20.4	19.7	18.9	18.2	17.6	16.9	16.3	15.7	15.0				7	
8	16.9	16.9	16.8	16.2	15.7	15.2	14.6	14.1	13.7	13.2	12.7	12.4		8	
9	14.3	14.3	14.3	14.2	13.7	13.3	12.9	12.4	12.0	11.7	11.3	11.0	10.6	9	
10	12.3	12.4	12.4	12.3	12.2	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.4	10	
12	9.6	9.6	9.7	9.6	9.6	9.6	9.3	9.0	8.7	8.4	8.2	7.9	7.6	12	
14		7.8	7.8	7.7	7.7	7.7	7.6	7.4	7.2	7.0	6.8	6.5	6.3	14	
16			6.4	6.4	6.4	6.3	6.3	6.2	6.1	5.9	5.7	5.5	5.2	16	
18			5.4	5.4	5.4	5.3	5.3	5.2	5.1	5.0	4.8	4.6	4.4	18	
20				4.6	4.6	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.7	20	
22					3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.3	3.1	22	
24						3.3	3.3	3.2	3.2	3.1	3.0	2.8	2.7	24	
26							2.9	2.8	2.8	2.7	2.6	2.6	2.4	2.6	
28								2.5	2.4	2.3	2.3	2.2	2.1	1.9	28
30									2.1	2.0	1.9	1.9	1.8	1.7	30
32										1.8	1.7	1.7	1.6	1.5	32
34											1.5	1.4	1.3	1.2	34
36												1.2	1.1	1.0	36

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